

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/10 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>WO 98 58085 A (KELLER MARTIN ;SHORT JAY M (US); DIVERSA CORP (US)) 23 December 1998 (1998-12-23) cited in the application the whole document in particular abstract; figures 14,15,18 page 12, line 22 -page 14, line 13 page 24, line 8 - line 21</p> <p style="text-align: center;">--- -/-</p>	1-130

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

19 May 2003

Date of mailing of the international search report

11/06/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

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Mossier, B

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 96 34112 A (CHROMAXOME CORP) 31 October 1996 (1996-10-31) abstract page 7, line 20 -page 10, line 5 page 14, line 30 -page 21, line 14 page 34, line 16 - line 20 page 59, line 35 -page 64, line 27 page 68, line 26 -page 71, line 37 page 97, line 23 -page 98, line 11; claims 36-38; figures 1-3,8 ----	1-130
Y	WO 98 17811 A (CHROMAXOME CORP) 30 April 1998 (1998-04-30) the whole document ----	1-130
Y	WO 01 73000 A (MAXYGEN INC ;KEENAN ROBERT J (US); MINSHULL JEREMY (US); STEMMER W) 4 October 2001 (2001-10-04) abstract page 2, line 18 -page 7, line 19; examples 1-3 ----	1-130
Y	GIFT ELIZABETH ET AL: "FACS-based isolation of slowly growing cells: Double encapsulation of yeast in gel microdrops." NATURE BIOTECHNOLOGY, vol. 14, no. 7, 1996, pages 884-887, XP001147516 ISSN: 1087-0156 cited in the application the whole document ----	1-130
A	US 6 025 155 A (HADLACZKY GYULA ET AL) 15 February 2000 (2000-02-15) the whole document ----	1-130
T	WO 02 059290 A (EVOLVA BIOTECH AS ;NIELSEN SOEREN V S (DK); SOERENSEN ALEXANDRA M) 1 August 2002 (2002-08-01) the whole document -----	1-130

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9858085	A	23-12-1998	AU 749587 B2 27-06-2002
			AU 8150298 A 04-01-1999
			EP 1009858 A1 21-06-2000
			JP 2002505590 T 19-02-2002
			US 2002080350 A1 27-06-2002
			US 2002102598 A1 01-08-2002
			US 2002150949 A1 17-10-2002
			WO 9858085 A1 23-12-1998
			US 6174673 B1 16-01-2001
			US 2003044968 A1 06-03-2003
			US 2003003500 A1 02-01-2003
			US 2003013115 A1 16-01-2003
			US 2003054543 A1 20-03-2003
			US 2001041333 A1 15-11-2001
			US 2002048809 A1 25-04-2002
			US 2001034040 A1 25-10-2001
			US 2002001809 A1 03-01-2002
			US 2002127560 A1 12-09-2002
WO 9634112	A	31-10-1996	US 2001034031 A1 25-10-2001
			US 2002015997 A1 07-02-2002
			AU 723619 B2 31-08-2000
			AU 5804996 A 18-11-1996
			CA 2219136 A1 31-10-1996
			EP 0822990 A1 11-02-1998
			HU 9801871 A2 30-11-1998
WO 9817811	A	30-04-1998	JP 11504218 T 20-04-1999
			WO 9634112 A1 31-10-1996
			US 5824485 A 20-10-1998
			US 5783431 A 21-07-1998
			AU 744960 B2 07-03-2002
			AU 5163298 A 15-05-1998
			EP 0951557 A1 27-10-1999
WO 0173000	A	04-10-2001	JP 2001502547 T 27-02-2001
			KR 2000052795 A 25-08-2000
			WO 9817811 A1 30-04-1998
			US 6242211 B1 05-06-2001
			ZA 9709557 A 12-05-1998
			AU 8727301 A 08-10-2001
			EP 1276861 A2 22-11-2003
US 6025155	A	15-02-2000	WO 0173000 A2 04-10-2001
			US 2001049104 A1 06-12-2001
			US 6077697 A 20-06-2000
			AU 2451297 A 12-11-1997
			BR 9708855 A 04-01-2000
			CA 2250682 A1 30-10-1997
			EP 0929689 A2 21-07-1999
			HU 9901482 A2 28-07-1999
			JP 2000508177 T 04-07-2000
			NZ 331815 A 28-04-2000
			NZ 503055 A 26-07-2002
			NZ 516885 A 28-08-2002
			WO 9740183 A2 30-10-1997
			US 2002160410 A1 31-10-2002
			US 6228604 B1 08-05-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6025155	A	US 2002160970 A1 US 2003033617 A1 US 2001008025 A1	31-10-2002 13-02-2003 12-07-2001
WO 02059290	A	01-08-2002	WO 02059290 A2
01-08-2002			